

## TEMPERATURE SENSOR SCHEME

5

### Abstract

A temperature sensing circuit, and method of using the same. A temperature sensing circuit includes a comparator, a temperature reference circuit and trimmer. The comparator is configured to receive a sense voltage that is indicative of a sensed temperature. The temperature reference circuit has a plurality of reference voltages coupled to the comparator such that the plurality of reference voltages are alternately compared to the sense voltage. The trimmer is coupled to the temperature reference circuit and is independently adjustable to adjust the plurality of reference voltages.

10